George Kanchaveli

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EDUCATION

Bocconi University   **Milan, Italy**
PhD in Statistics   ***Sep 2022 - Aug 2026***
Supervisors: Hugo Lavenant (Bocconi University) and Marta Catalano (Luiss University)
Projects:

- *Two-sample test for laws of random probabilities via exchangeability and optimal transport*

Università degli Studi di Torino
110/110 cum laude and special mention   **Turin, Italy**
MSc in Stochastics and Data Science   ***Sep 2020 - Oct 2022***
Thesis title: Bayesian community detection in Stochastic Block Models: comparison of marginal samplers

Stochastic Block Models are used to model the community detection problem, which has many applications in social networks, engineering, physics, and biology. I analysed approaches from Bayesian Nonparametric and Parametric methods, both theoretically and in simulations.
Supervisor: Pierpaolo De Blasi

Collegio Carlo Alberto   **Turin, Italy**
Graduated with distinction   ***Sep 2020 - Oct 2022***
Master in Statistics and Applied Mathematics

Bocconi University   **Milan, Italy**
BS in Economics, Management, and Computer Science   ***Sep 2017 - July 2020***
Thesis: Analysis of algorithms for finding graph cuts of minimal edge expansion

Finding such graph cuts has applications in clustering problems. I analyzed Fiedler's algorithm and Simulated annealing for this problem and compared their performances on different types of graphs.
Supervisor: Luca Trevisan

INTERNSHIPS

Maxin AI   **Tbilisi, Georgia**
Machine learning internship   ***Jun 2019 – Aug 2019***
I studied and implemented convolutional neural networks (CNNs) using PyTorch, contributing to a project focused on identifying signs of diabetic retinopathy in eye images.

SKILLS & INTERESTS

Technical: Python (Pandas, Sklearn, PyTorch), Julia, R.

Quantitative: Probability and Statistics, Machine Learning, Algorithms, Mathematics,

Languages: English (Highly proficient), Italian (Good working knowledge), Georgian (Native),